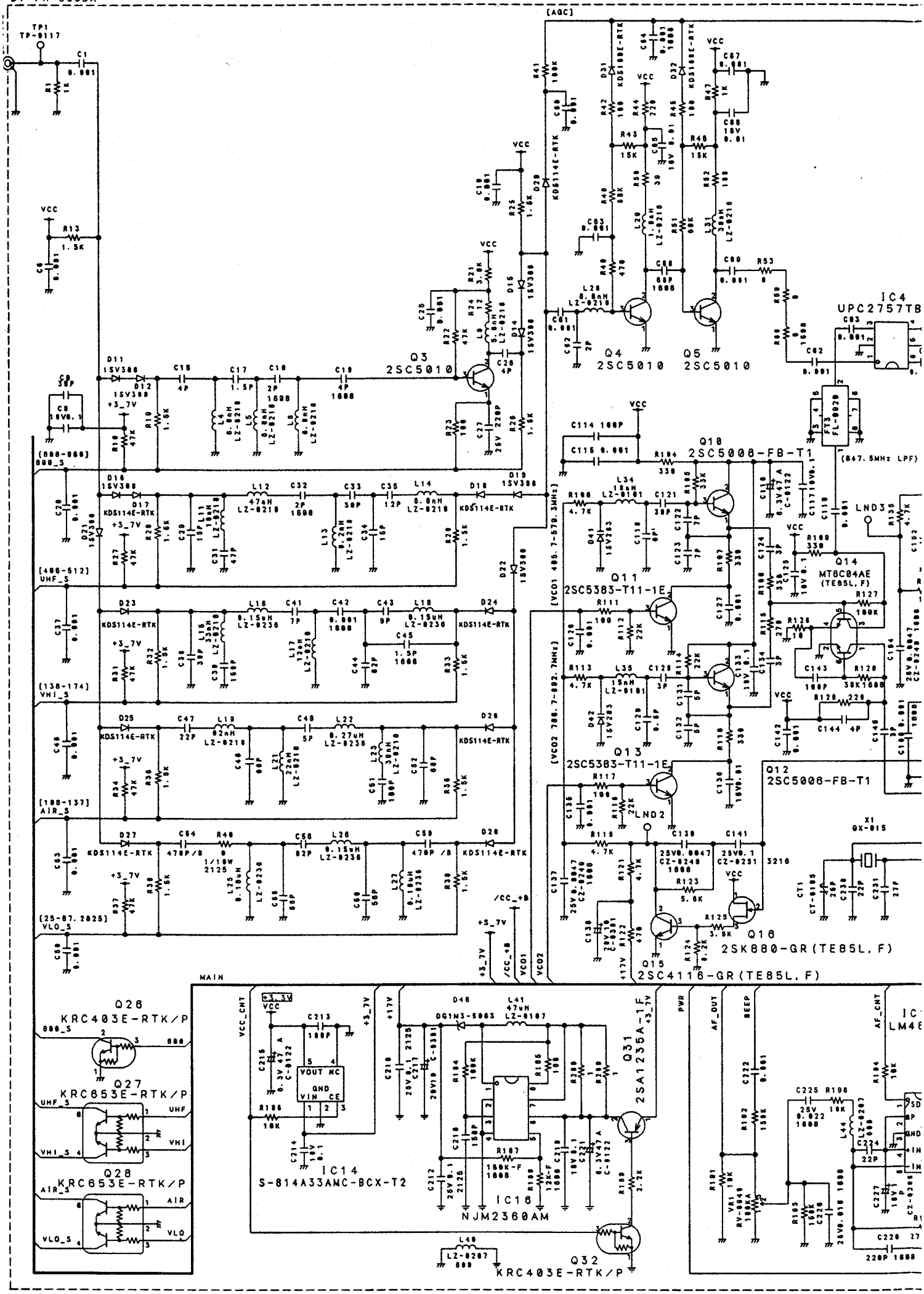
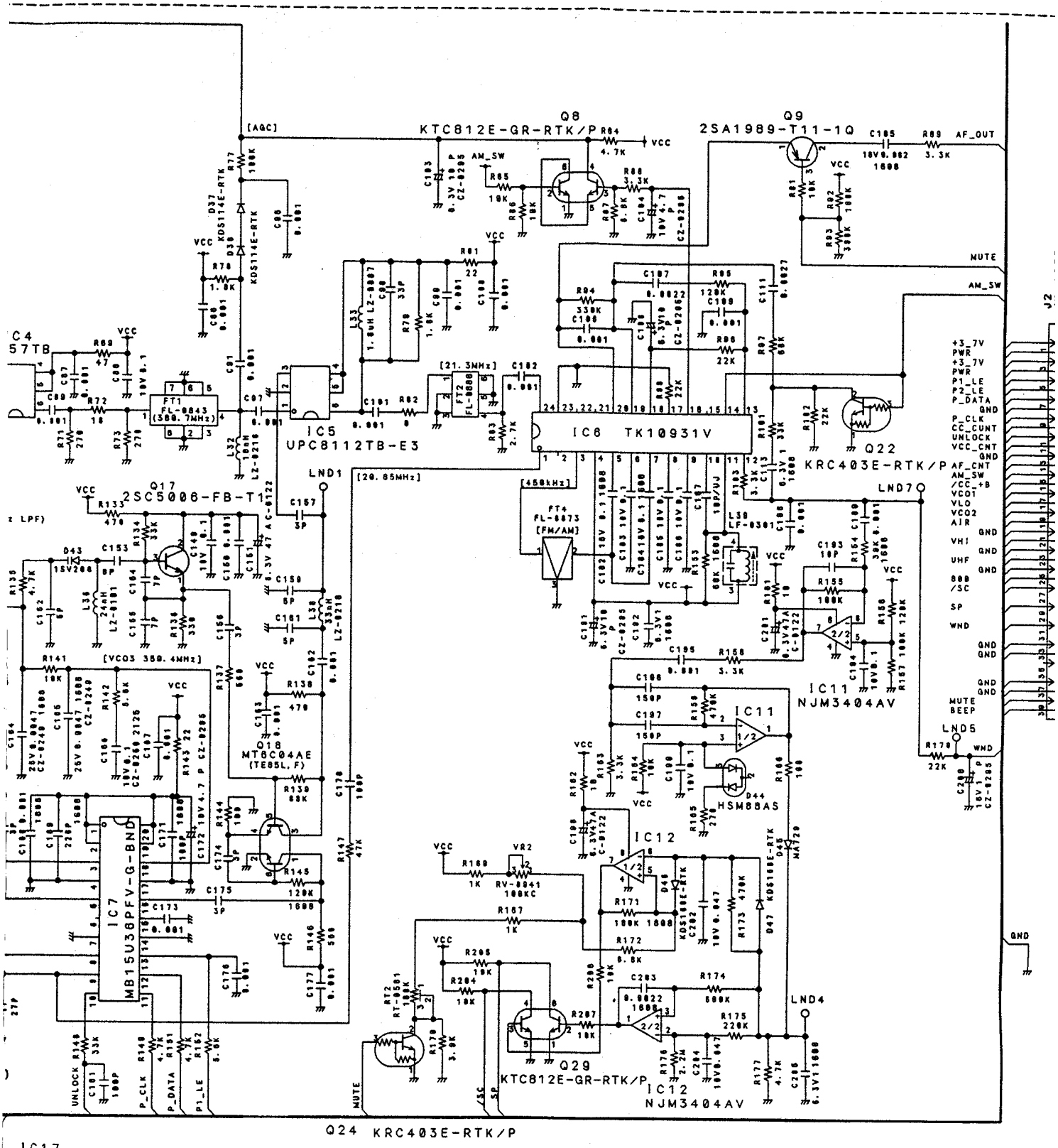

TP1
TP-0117
C1
0.001
R1
1K
VCC
R13
1.5K
C6
0.001
C9
39P
C8
18V0.1
R10
47K
D11
1SV308
D12
1SV308
+3_7V
C15
4P
C17
1.5P
C18
2P
1608
C19
4P
1608
L4
8.8nH
LZ-8218
L5
8.8nH
LZ-8218
L6
8.8nH
LZ-8218
R19
1.6K
[AGC]
R41
100K
C84
0.001
D31
KDS160E-RTK
D32
KDS160E-RTK
C87
0.001
R47
1K
C88
18V
0.001
R42
100
R44
220
R45
100
R43
15K
C85
18V 0.01
R46
15K
D30
KDS114E-RTK
C86
0.001
R25
1.6K
C83
0.001
R48
68K
R50
30
R52
100
L28
1.8nH
LZ-8218
R51
68K
L31
39nH
LZ-8218
R49
470
C87
0.001
C89
0.001
R53
0
R55
0
R56
1608
C82
0.001
C81
0.001
C92
2P
L26
8.8nH
LZ-8218
Q3
2SC5010
Q4
2SC5010
Q5
2SC5010
IC4
UPC2757TB
C93
0.001
FT3
FL-8028
(847.5MHz LPF)
C25
0.001
R22
47K
R21
3.8K
R24
12
L8
5.6nH
LZ-8218
D15
1SV308
D14
1SV308
C20
4P
C27
220P
25V
R23
100
R26
1.6K
D11
1SV308
D12
1SV308
+3_7V
R18
47K
[888-888]
888_S
C28
0.001
D16
1SV308
D17
KDS114E-RTK
+3_7V
R28
1.6K
C29
15P
L11
10nH
LZ-8218
C31
47P
R27
47K
L12
47nH
LZ-8218
C32
2P
1608
C33
39P
C35
12P
L14
8.8nH
LZ-8218
D18
KDS114E-RTK
D19
1SV308
D21
1SV308
L13
8.2nH
LZ-8218
C34
15P
R29
1.5K
D22
1SV308
[486-512]
UHF_S
C37
0.001
D23
KDS114E-RTK
+3_7V
R32
1.6K
C38
39P
L16
33nH
LZ-8218
C39
100P
R31
47K
L16
0.15uH
LZ-8236
C41
7P
C42
0.001
1608
C43
9P
L18
0.15uH
LZ-8236
D24
KDS114E-RTK
C45
1.5P
1608
L17
12nH
LZ-8218
C44
82P
R33
1.6K
[138-174]
VHI_S
C46
0.001
D25
KDS114E-RTK
C47
22P
L19
82nH
LZ-8218
C48
5P
L22
0.27uH
LZ-8236
D26
KDS114E-RTK
+3_7V
R36
1.6K
C40
68P
L21
22nH
LZ-8218
L23
30nH
LZ-8218
C52
68P
C51
100P
R34
47K
R35
1.5K
[188-137]
AIR_S
C53
0.001
D27
KDS114E-RTK
C54
470P/B
R40
0
1/10W
2125
C56
82P
L26
0.15uH
LZ-8236
C59
470P /B
D28
KDS114E-RTK
+3_7V
R38
1.6K
L25
0.10uH
LZ-8236
C55
68P
C60
68P
L22
0.10uH
LZ-8236
R39
1.6K
R37
47K
[25-87.2825]
VLO_S
C58
0.001
/CC_+B
+3_7V
/CC_+B
VCO1
VCO2
[VCO1 485.7-570.3MHz]
[VCO2 708.7-882.7MHz]
C114
100P
C115
0.001
R104
330
Q10
2SC5008-FB-T1
L34
18nH
LZ-8181
R106
4.7K
C121
39P
R105
33K
C116
6.3V47 A
C-8122
C117
10V0.1
C118
0.001
D41
1SV283
C119
6P
C122
7P
C123
7P
R107
330
C124
3P
C125
10V 0.1
R109
330
Q14
MT8C04AE
(TE85L, F)
LND3
R135
4.7K
C152
Q11
2SC5383-T11-1E
R111
100
R112
22K
C127
0.001
R127
100K
R126
10
C143
100P
R128
39K 1608
C164
25V 0.0047
CZ-8248
1608
R113
4.7K
L35
15nH
LZ-8181
C129
3P
R114
22K
C133
0.1
10V
C134
3P
D42
1SV283
C128
0.5P
C131
6P
C132
6P
R110
330
C142
0.001
R129
220
C144
4P
C145
3P
C146
0.001
C108
0.001
1608
Q13
2SC5383-T11-1E
Q12
2SC5006-FB-T1
R117
100
R118
22K
C135
0.001
C136
10V0.01
LND2
R119
4.7K
C139
25V0.0047
CZ-8248
1608
C141
25V0.1
CZ-8251
3216
R121
4.7K
R123
5.6K
C137
25V0.0047
CZ-8248
1608
X1
9X-815
CT1
CT-8105
C230
26P
C233
22P
C231
27P
C138
25V10
C-8381
R122
470
R124
4.7K
R125
3.9K
Q15
2SC4116-GR(TE85L, F)
Q16
2SK880-GR(TE85L, F)
MAIN
Q26
KRC403E-RTK/P
888_S
888
Q27
KRC653E-RTK/P
UHF_S
UHF
VHI_S
VHI
Q28
KRC653E-RTK/P
AIR_S
AIR
VLO_S
VLO
VCC_CNT
+3.3V
VCC
C213
100P
C215
6.3V 47 A
C-8122
VOUT NC
GND
VIN CE
R188
10K
C214
10V
0.1
IC14
S-814A33AMC-BCX-T2
+3_7V
+17V
D48
DG1N3-5063
L41
47uH
LZ-8187
C216
25V 0.1
2125
C217
20V10
C-8381
C218
100P
R184
100K
R185
100
R200
1
R209
1
R187
150K-F
1608
C212
25V 0.1
2125
R186
120K-F
1608
C219
10V 0.1
C221
6.3V47 A
C-8122
R189
2.2K
Q31
2SA1235A-1F
IC16
NJM2360AM
L40
LZ-8207
888
Q32
KRC403E-RTK/P
PWR
AF_OUT
BEEP
AF_CNT
C222
0.001
R192
150K
R191
10K
VR1 10K
RV-8040
100KA
C225
25V
0.022
1608
R196
10K
L44
LZ-8207
888
C224
22P
R193
150K
C220
25V0.018
1608
C227
10V
P
C226
27
220P 1608
R194
10K
IC
LM4E



NOTES:
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K=KILO OHM, M=MEG OHM)
2. RESISTOR WATTAGES ARE 1/16W [1005] UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)
4. ALL CAPACITORS TEMPERATURE CHARACTERISTICS ARE [CH] (LESS THAN 1000PF) OR [B] (MORE THAN 1000PF) UNLESS OTHERWISE NOTED.
5. CHIP CAPACITORS TYPE ARE [1005] AND RATED 50V UNLESS OTHERWISE NOTED.
6. RESISTOR TOLERANCES ARE J UNLESS OTHERWISE NOTED.

AT951 AT-398

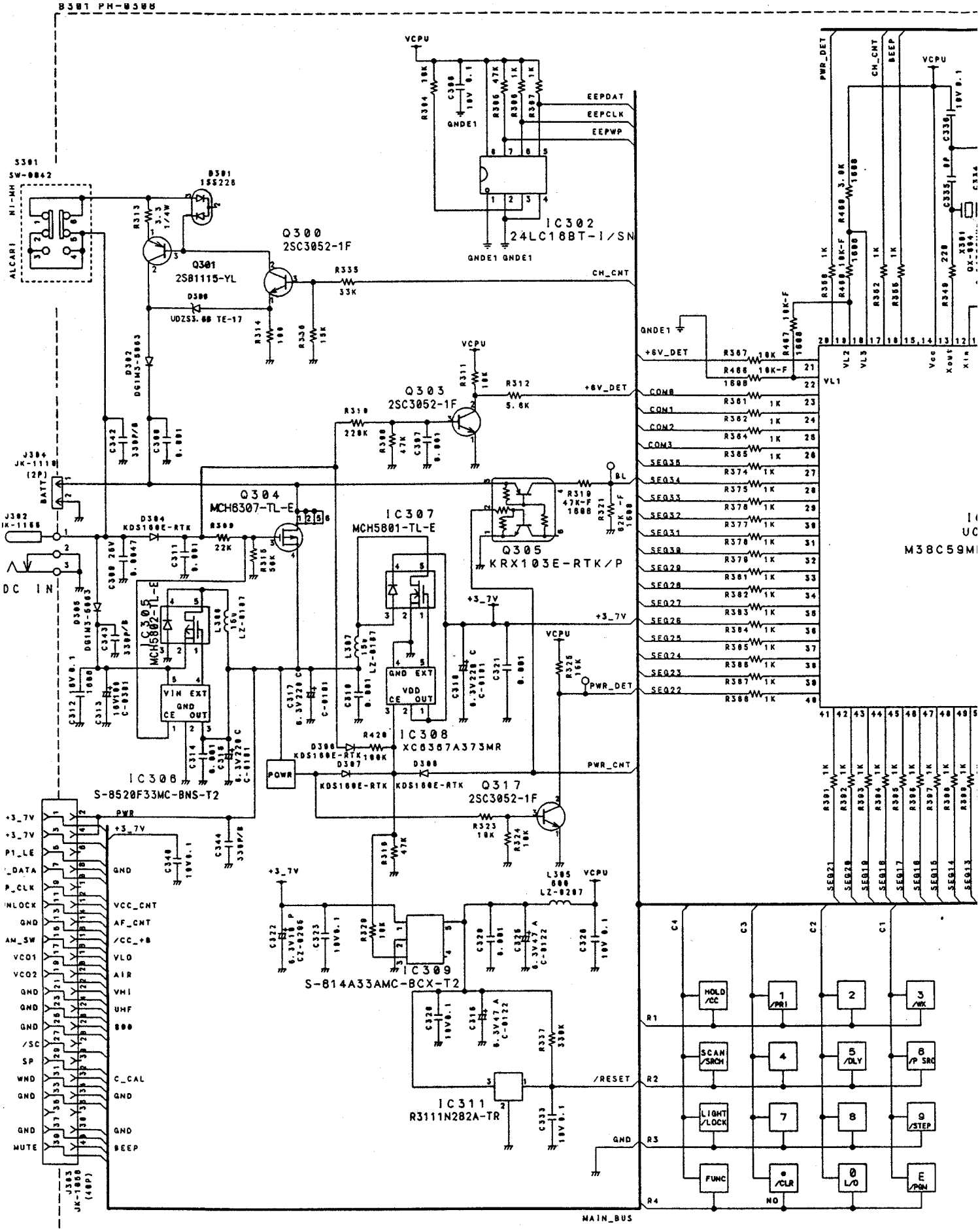
BT951 BT-551 BT952 BT-551

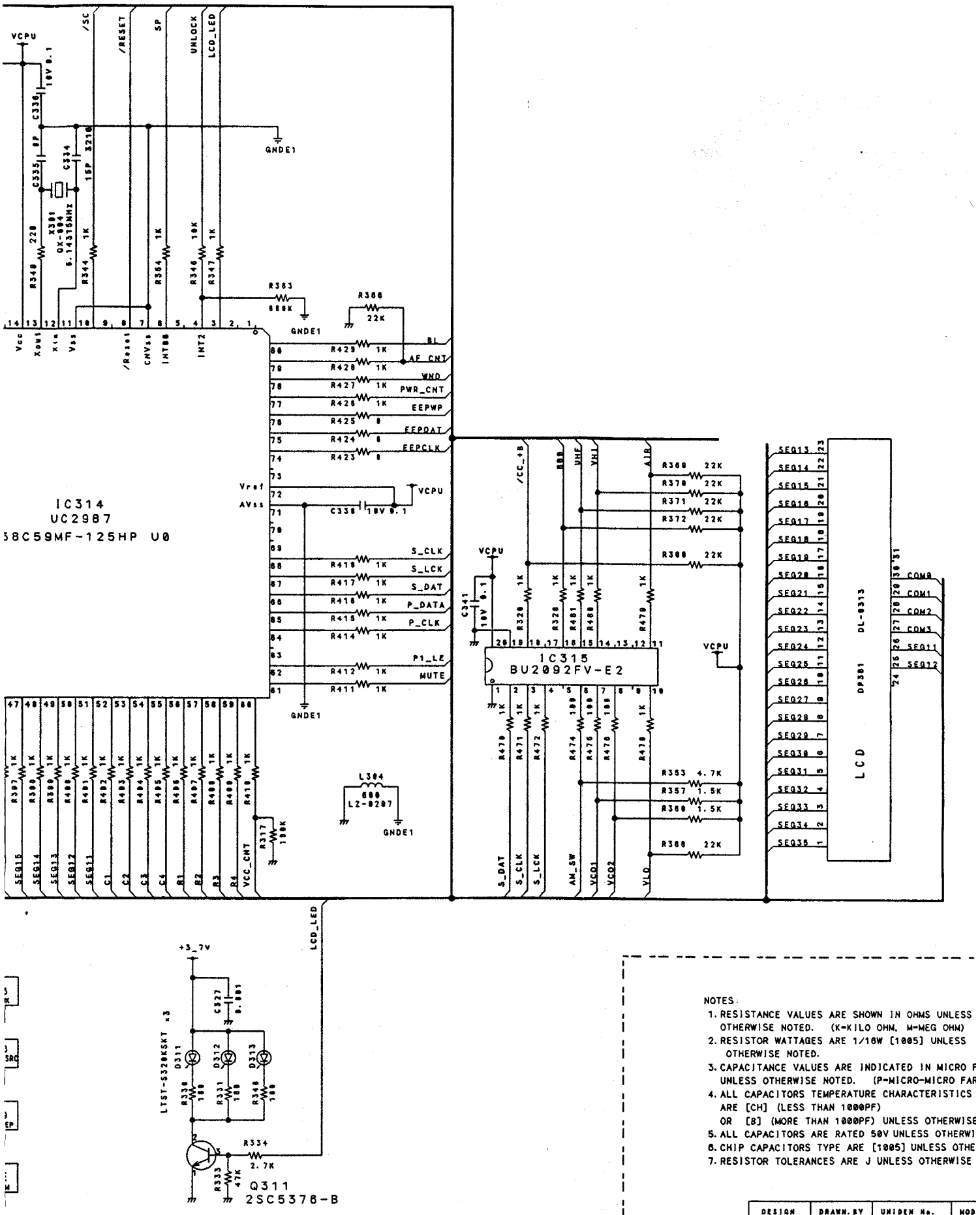
AD951 AD-671

W582 UL1571 #26 3-55-3 BLK SP581 SP-497

W581 UL1571 #26 3-55-3 WHT

DESIGN	DRAWN. BY	UNIDEN No.	MODEL No.
'04/11/08	'04/11/18	UB324C	AE92H
KUROKI	KUROKI	TITLE	MAIN ASS'Y SCHEMATIC DIAGRAM
CHECK. BY	APPRO. BY		
		DRAWING No.	
REV. No		UNIDEN CORP.	


VCPU
EEPDAT
EEPCLK
EEPWP
IC302
24LC16BT-I/SN
GNDE1
Q300
2SC3052-1F
Q301
2SB1115-YL
CH_CNT
+6V_DET
Q303
2SC3052-1F
Q304
MCH6307-TL-E
Q305
KRX103E-RTK/P
IC307
MCH5801-TL-E
IC305
MCH5802-TL-E
IC306
S-8520F33MC-BNS-T2
IC308
XC6367A373MR
IC309
S-814A33AMC-BCX-T2
IC311
R3111N282A-TR
Q317
2SC3052-1F
PWR_DET
PWR_CNT
/RESET
BL
DC IN
BATT
MAIN_BUS
HOLD /CC
SCAN /SRCH
LIGHT /LOCK
FUNC
/CLR
/DLY
/P SRC
/STEP
/PRI
/MX
/LO
/PGM



NOTES:

1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K=KILO OHM, M=MEG OHM)
2. RESISTOR WATTAGES ARE 1/16W [1005] UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO F UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FAR
4. ALL CAPACITORS TEMPERATURE CHARACTERISTICS ARE [CH] (LESS THAN 1000PF) OR [B] (MORE THAN 1000PF) UNLESS OTHERWISE
5. ALL CAPACITORS ARE RATED 50V UNLESS OTHERWI
6. CHIP CAPACITORS TYPE ARE [1005] UNLESS OTHE
7. RESISTOR TOLERANCES ARE J UNLESS OTHERWISE

DESIGN	DRAWN. BY	UNIDEN No.	MOD
'04/11/8	'04/11/18	UB324C	AE
KUROKI	KUROKI	TITLE	KEY AS
CHECK. BY	APPRO. BY		SCHEMATIC
		DRAWING No.	
REV. No			UNIDEN CO